

DEPARTMENT OF TRANSPORTATION - Toll Bridge Program

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October 05, 2009

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.08-000030

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Shear Link Check Samples

This letter is issued in response to AFC-CAL-LTR-000053, "Caltrans Letter no. 05.03.08-000015," dated June 23, 2009, in which ABF requests that ZPMC Sample No. 596 be approved as standard A709 Grade 485 material. ZPMC Sample No. 596 does not satisfy the minimum Charpy V-notch (CVN) requirements for A709SL Grade 485 or standard A709 Grade 485 materials. The minimum allowable average test values for the materials are 31 and 23 Joules, respectively. The lowest value of the initial test (9 Joules) was less than 2/3 the allowable values, and the lowest value of the re-test (6 Joules) was less than the allowable values. Therefore, the material is not suitable for any application of A709 Grade 485 material.

The use of material associated with ZPMC Sample Nos. 597, 605, 606, 607, 619, 621, 622, 623, 624, 625, 626, 627, and 628 as standard A709 Grade 345 material is acceptable given that each plate is re-designated per its intended use.

In addition, the Department has received various ZPMC check samples ranging in number between 330 and 590 as shown on the attachment. The Department presumes this is for shear link ASTM A709SL Grade 345. Based on the plate thicknesses, this material does not correspond to shear link material on the shop drawings. Please clarify if this is indeed shear link material and re-designate per its intended use, if applicable.

If you would like to discuss this further or have any questions, please contact Scott Kennedy.

Sincerely,

GARY PURSELL
Resident Engineer

Attachment

cc: G. Pursell, R. Morrow, P. Siegenthaler, D. Coe, M. Woods
File: 05.03.08-000030